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(54) Title: FE-BASE IN-SITU COMPOSITE ALLOYS COMPRISING AMORPHOUS PHASE

(57) Abstract: An Fe-base in-situ composite alloy, castable into 3-dimensional bulk objects, where the alloy includes a matrix having one or both of a nano-crystalline phase and an amorphous phase, and a face-centered cubic crystalline phase. The alloy has an Fe content more than 60 atomic percent.